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NS MAYPORT
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SOURCE REMOVAL AND SAMPLING REPORT FOR BUILDING 1338 UNDERGROUND STORAGE TANK 1342 NS MAYPORT FL

11/29/2004

UNIVERSAL ENGINEERING SCIENCES

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SOURCE REMOVAL AND SAMPLING REPORT

Mayport Naval Base, Bldg. 1338, UST N 1342
Mayport, Duval County, Florida

UES Project No. 92147-001-01
Report No. 24596
November 29, 2004

Prepared For:

Johnson Controls/Hill
P.O. Box 77, Building 105
NAS Jacksonville, Florida 32212

Prepared By:

Universal Engineering Sciences, Inc
5561 Florida Mining Boulevard South
Jacksonville, Florida 32257
(904) 296-0757

Report Preparation:

David S. Maxam, P.G.
Senior Geologist
Florida License No. 2281

Review & Certification:

11-29-04

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Florida License No. 59227

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• Tampa, FL
• West Palm Beach, FL

November 29, 2004

Maurice Cates
Sr. Environmental Coordinator
Johnson Controls/Hill
P.O. Box 77, Building 105
NAS Jacksonville, Florida 32212

Reference: **Source Removal and Sampling Report, UST N1342**
Mayport Naval Base, Bldg. 1338/UST N1342
Mayport, Duval County, Florida
UES Project No. 92147-001-01 and Report No. 24596

Dear Mr. Cates:

Universal Engineering Sciences, Inc. (UES) has completed the source removal and sampling in association with an active oil/water separator located near Bldg. 1338. This location is illustrated in the USGS Site Location Plan in **Figure 1 (Appendix A).** The purpose of this investigation was to field screen soil for volatile organic compounds (VOCs) within the existing oil/water separator excavation and collect a soil and groundwater sample for laboratory analysis to confirm that all contaminated soil and groundwater that was originally present from within the excavation had been removed.

SITE HISTORY

On January 20, 2004 UES observed the removal and replacement of the sump system associated with the on-site oil/water separator and underground storage tank (UST). The closure activities were conducted by Guardian Fueling Technologies, Inc. A copy of the report describing these field activities entitled "Limited Tank Closure Assessment" is attached in **Appendix B.**

As a part of the closure activities, one soil sample was collected along the perimeter of the UST area for laboratory analysis. Several petroleum constituents were detected in the soil sample (SS-1), however, none had concentrations above each of the respective Florida Department of Environmental Protection's (FDEP) Soil Cleanup Target Levels (SCTLs). These types of constituents detected were normally detected in "old" petroleum releases. Since the soil sample was collected from within the "smear" zone (the area of seasonal groundwater fluctuation), it was recommended that a temporary monitoring well be installed

5561 Florida Mining Boulevard South • Jacksonville, Florida 32257 • (904) 296-0757 • FAX (904) 296-0748

for the collection of a groundwater sample. A list of analytical constituents detected is provided in the previous report presented in **Appendix B.**

SOIL SAMPLING AND ANALYSES AND SOIL REMOVAL

Site activities occurred on September 20, 2004. The dimensions of the excavation were 11 feet X 11 feet, as shown on the scaled drawing **Figure 2 (Appendix A).** Soil was field screened for VOCs by utilizing a Heath Consultants Detecto-Pak III flame ionization detector (FID). In order to determine the FID concentration of a soil sample, UES filled a clean mason jar two-thirds full with soil from each location and sealed the lid with aluminum foil. A measurement was read with and without a methane filter. The methane filter reading was subtracted from the unfiltered reading to give a corrected, or net reading. All soil that exceeded 50 parts per million (ppm) net on the FID or was visibly contaminated, was placed inside a 55-gallon drum for future disposal by Johnson Controls/Hill through the NS Mayport Part B Facility. The highest FID net reading measured was from B-6/S-1 (2 feet below grade). This measurement was 200 ppm. This soil sample was submitted to Environmental Conservation Laboratories, Inc. (ENCO) for analysis by Environmental Protection Agency (EPA) Methods 8260 (Volatile Organics), 8270 (Polynuclear Aromatic Hydrocarbons) and Total Petroleum Hydrocarbons (Florida Petroleum Residual Organics). Soil sampling locations are provided in **Figure 2 (Appendix A).**

Please refer to **Table 1** for the net results of our VOC soil screening:

Table 1: VOC Soil Screening (Net Results in ppm)

DEPTH B.L.S. (feet)	B-1	B-2	B-3	B-4	B-5
2	0	0	0	0	0
DEPTH B.L.S. (feet)	B-6	B-7	B-8	B-9	B-10
2	200	0	0	0	0
DEPTH B.L.S. (feet)	B-11	B-12	B-13	B-14	B-15
2	0	0	0	0	0
DEPTH B.L.S. (feet)	B-16	B-17	B-18		
2	0	0	0		

The soil analytical data obtained from B-6/S-1 indicated the presence of toluene at the laboratory detection limit (1.0 milligram per kilogram (mg/kg)) and TPH at 21 mg/kg. Both of the aforementioned contaminant concentrations are below the FDEP SCTLs for Leachability Based on Groundwater Criteria as well as the Residential Direct Exposure SCTL. A slightly abbreviated list of Method 8260 analytes were run by ENCO during this most recent investigation as the full Method 8260 soil results from the previous investigation indicated that only xylenes, naphthalene and 2-butanone were detected above lab detection limits.

GROUNDWATER SAMPLING AND ANALYSES

On September 20, 2004, a temporary monitoring well was advanced by hand auger and installed into the water table so that a groundwater sample could be collected for laboratory analysis. UES attempted to place the well beneath the location where the soil sample was collected (B-6/S-1). While hand augering at this location below the soil sample depth, UES could not advance the hand auger to a depth beneath the groundwater table. Groundwater was encountered at approximately 2.5 feet below surface. Therefore, UES relocated the monitoring well to a location slightly outside of the existing excavation. The depth of this monitoring well was approximately 4 feet, with the monitoring well containing 5 feet of screen including a bottom plug. This location is illustrated as GW-1 on **Figure 2 (Appendix A).** Before a groundwater sample was collected for laboratory analysis, the monitoring well was developed to remove most of the suspended solids that were present. All development water was poured into the same drum which contained the contaminated soil and was labeled for disposal by Johnson Controls/Hill at OWS 1343/UST N1417.

The groundwater sample obtained from GW-1 was analyzed by ENCO for EPA Methods 8260 (Volatile Organics), 8270 (Polynuclear Aromatic Hydrocarbons) and Total Petroleum Hydrocarbons (Florida Petroleum Residual Organics). A slightly abbreviated list of Method 8260 analytes were run by ENCO during this most recent investigation as the full Method 8260 soil results from the previous investigation indicated that only xylenes, naphthalene and 2-butanone were detected above lab detection limits. The groundwater analytical data obtained from GW-1 indicated that all analyses were below the laboratory detection limits. Both soil and groundwater laboratory analytical data is included in **Appendix C.**

CONCLUSIONS

The soil and groundwater samples collected at the site were from the area in the excavation that contained the highest field VOC measurements. The contaminated soil from this area was removed and drummed for future disposal. Approximately 15 gallons of soil and 5 gallons of groundwater were drummed. No disposal manifests are included as part of this report, since the client has assumed responsibility for disposal of the

material.

Both confirmatory soil and groundwater samples were submitted for laboratory analysis and were determined to be below laboratory detection limits or respective cleanup target levels. UES believes that no further assessment or remedial activities are necessary in conjunction with this release.

LIMITATIONS

This limited assessment was completed by David S. Maxam, P.G., Professional Geologist, and reviewed by Steven G. McInall, P.E., Professional Engineer, both employees of UES.

This report is intended for the use of Mr. Maurice Cates and Johnson Controls/Hill, the U.S. Navy, the City of Jacksonville Environmental Quality Division, and the Florida Department of Environmental Protection. Its contents may not be relied upon by any other parties without the explicit written consent of UES. This is not a statement of suitability of the property for any use of purpose.

The findings of this report represent our professional judgement; no warranty is expressed or implied. These findings are relevant to the dates of our site work and the information cited herein. This report should not be relied upon to represent site conditions on other dated or at locations other than those specifically cited within the report. UES can accept no responsibility for interpretations of these data made by other parties.

As with all assessments, the level of information obtained is a function of both time and budgetary constraints. Due to these constraints, every square foot of soil and groundwater can not be tested. Therefore, virtually all environmental site assessments can not provide total certainty of the presence or absence of contamination.

We greatly appreciate the opportunity to offer our environmental services to you on this project. Please contact our office if you have any questions regarding this report.

Respectfully submitted,

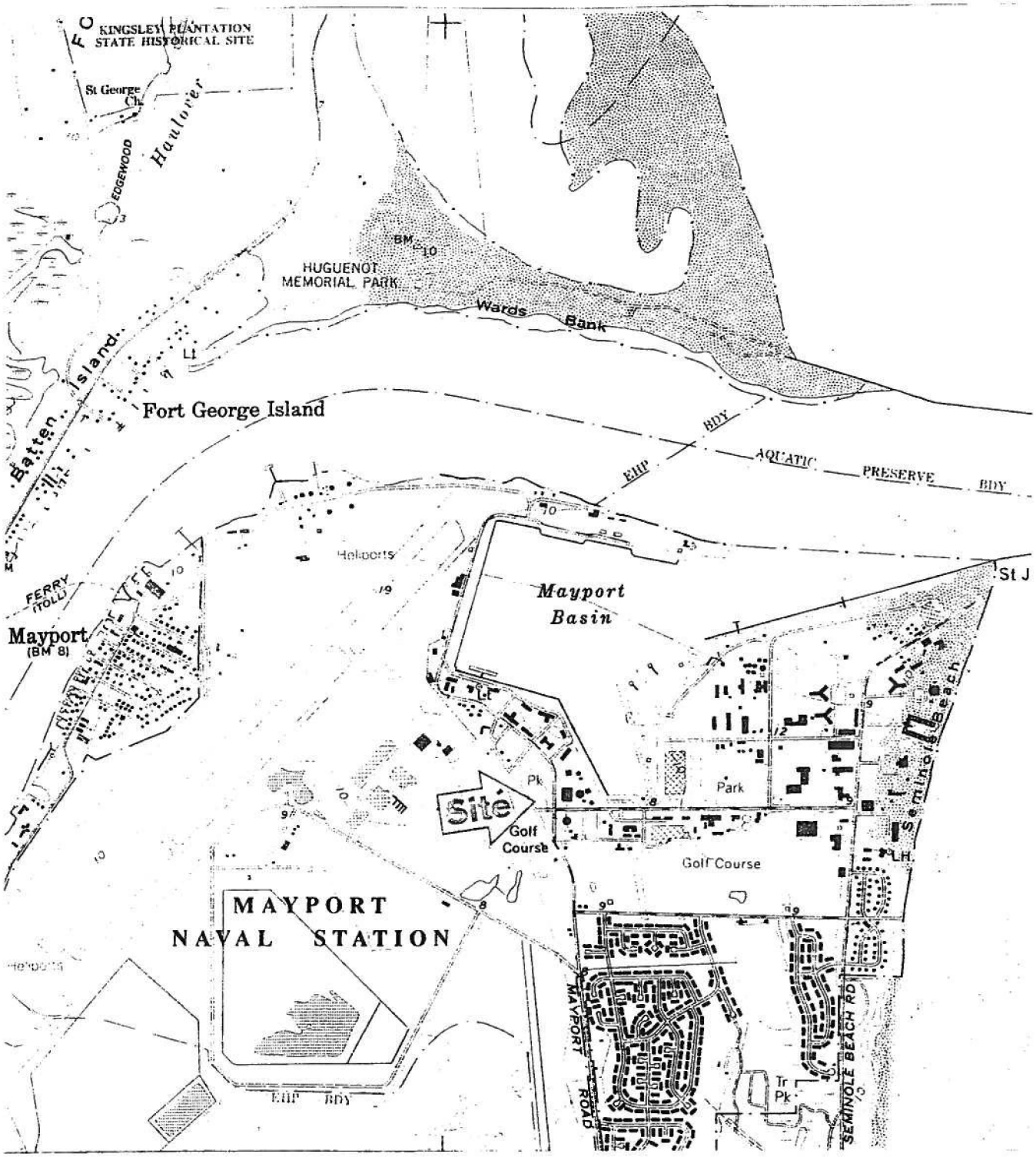
UNIVERSAL ENGINEERING SCIENCES, INC.

David S. Maxam, P.G.
Senior Project Geologist

Steven G. McInall, P.E.
Environmental Engineering Manager

APPENDIX A

Figures



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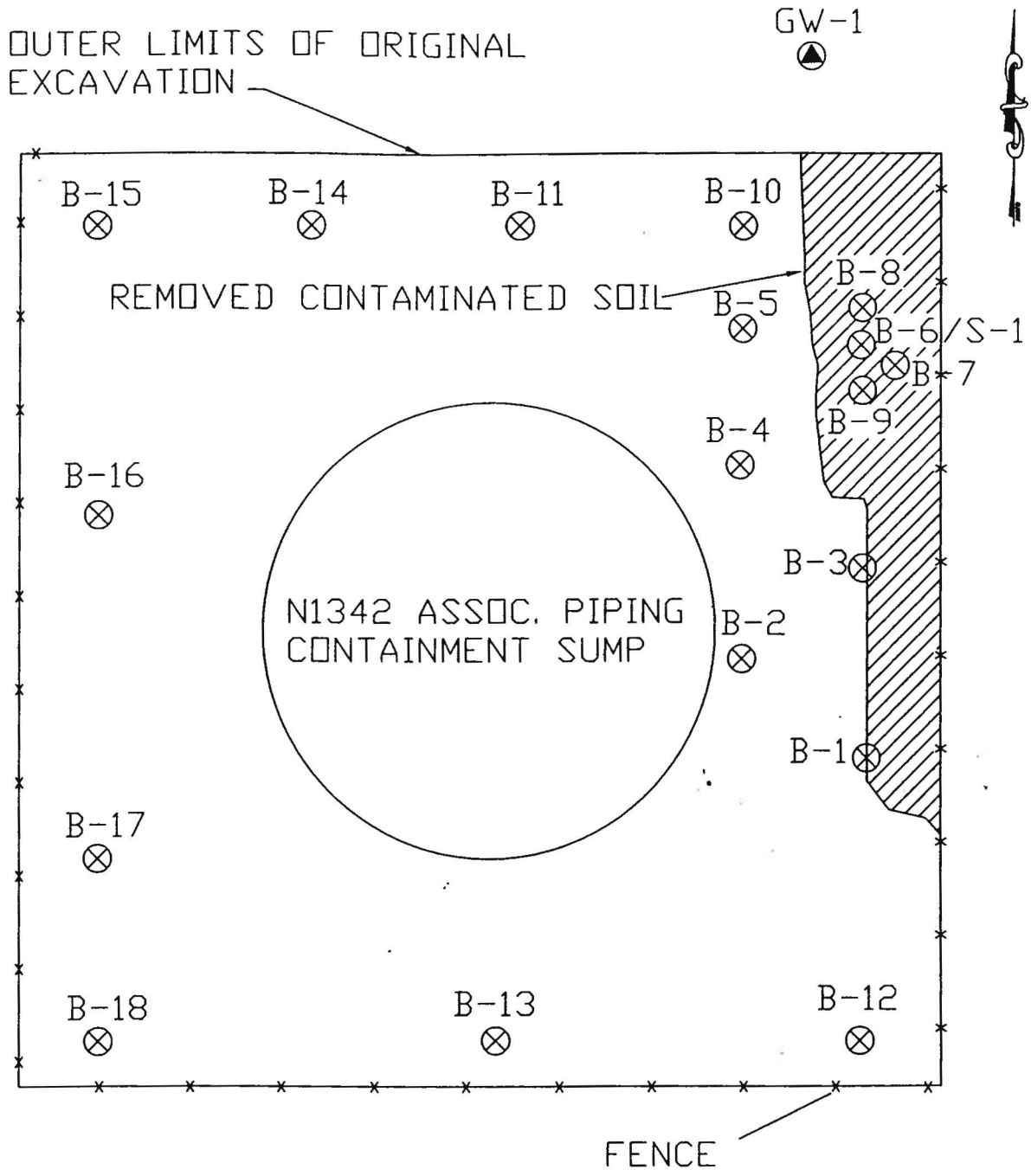
SOURCE REMOVAL AND SAMPLING
MAYPORT BLDG. 1338/N1342
MAYPORT, FLORIDA

USGS SITE LOCATION MAP

REVISED BY:	DS	DATE:	9/22/04	CHECKED BY:	DM	DATE:	9/22/04
SCALE:	1"=2,000'	ORDER NO:	92147-001-01	REPORT NO:	24596	PAGE NO:	A-1



NOTES:

1.) Water table depth is approximately 2 ft.

2.) Soil sample B-6/S-1 contained 200 parts per million (ppm) net volatile organics measured by flame ionization detector, all other measurements were 0.0 ppm.

3.) Groundwater sample GW-1 was collected from a temporary monitoring well installed at a depth of 4 ft.

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SOURCE REMOVAL & SAMPLING REPORT
MAYPORT BLDG 1338
MAYPORT, FLORIDA

SOIL & GROUNDWATER SAMPLING LOCATIONS

REVISED BY:	DS	DATE:	9/22/04	CHECKED BY:	DM	DATE:	9/22/04
SCALE:	1" = 2'	ORDER NO:	92147-001-01	REPORT NO:	24596	PAGE NO:	A-2

APPENDIX B

Limited Tank Closure Assessment

LIMITED TANK CLOSURE ASSESSMENT

Mayport Naval Station
Building 1338
Jacksonville, Florida

UES Project No. 91329-015-01
Report No. 22062

February 2004

Prepared For:

Environmental Resource Management
Environmental Quality Division
117 West Duval Street, Suite 225
Jacksonville, Florida 32202

Prepared By:

Universal Engineering Sciences, Inc
5561 Florida Mining Boulevard South
Jacksonville, Florida 32257
(904) 296-0757

Report Preparation:

Vincent S. Price
Staff Engineer

Review & Certification:

Steven G. McInall, P.E.
Environmental Engineering Manager
Florida License No. 59227

February 3, 2004

Mr. Tom Griffin
Environmental Resource Management (ERM)
Environmental Quality Division
117 West Duval Street, Suite 225
Jacksonville, Florida 32202

Reference: **Limited Closure Summary Report**
Mayport Naval Station
Building 1338
Jacksonville, Duval County, Florida
UES Project No. 91329-015-01 and Report No. 22062

Dear Mr. Griffin:

Universal Engineering Sciences, Inc. (UES) has completed the Limited Closure Summary Report for the above referenced property. The purpose of this assessment was to inspect the removal and replacement of the sump system associated onsite oil-water separator and UST. The closure activities were conducted by Guardian Fueling Technologies, Inc. on January 20, 2004.

In addition to the standard Limited Tank Closure Assessment (TCA) activities, soil samples were collected for organic vapor analysis (OVA). These soil screening activities were conducted at the request of Johnson Control Hill (Mayport Naval Station's main contractor). Soil OVA samples were collected along the perimeter of the UST area (SB-1 along the south side, SB-2 along the north side, SB-3 along the east side). The UST/sump area consisted of a few inches of soil and grass on top of three feet of gravel. The top soil and gravel areas did not emit petroleum vapors. A summary of our findings are included in Table 1.

Table 1 – Soil Organic Vapor Screening Results

Soil Sample	Depth (feet BLS)	Total OVA Measurement (ppm)	Filtered Reading (ppm)	Net OVA Reading (ppm)	Observations
SB-1	4	0	0	0	No Petroleum Odor
SB-2	4	15	0	15	No Petroleum Odor
SB-3 / SS-1	4	60	0	60	Slight Petroleum Odor

Based on the results of the OVA screening activities and our observations, elevated petroleum vapors were detected in SB-3.

As a result of our OVA screening activities and observations, one laboratory soil sample was collected from the location of SB-3. After collection, the samples were placed on ice and transported to Environmental Conservation Laboratories, Inc. (ENCO) located in Jacksonville, FL for laboratory analysis by FL PRO, EPA Methods 8260, 8270 and 8 RCRA Metals. The ENCO laboratory analytical data report is included with this report. The soil sample was collected to determine if the elevated OVA reading was an indication of soil petroleum contamination. Table 2 contains a summary of the petroleum constituents detected in the soil sample.

Table 2 – Summary of Constituents Detected

Constitutents	SS-1 (ug/kg)	Residential Direct Exposure Limit (ug/kg)	Commercial Direct Exposure Limit (ug/kg)	Leachability Based on Groundwater Criteria (ug/kg)
Acetone*	54	780,000	5,500,000	2,000
2-Butanone	21	3,100,000	21,000,000	17,000
Total Xylenes	6.1	5,900,000	40,000,000	200
Naphthalene	48	40,000	270,000	1,700
Acenapthalene	78	1,900,000	18,000,000	2,100
Fluorene	67	2,200,000	28,000,000	160,000
Phenanthrene	430	2,000,000	30,000,000	250,000
Anthracene	94	18,000,000	260,000,000	2,500,000
Fluoranthene	310	2,900,000	48,000,000	1,200,000
Pyrene	270	2,200,000	37,000,000	880,000
Chrysene	170	140,000	450,000	77,000
Benzo (a) anthracene	120	1,400	5,000	32,000
Benzo (b) fluoranthene	98	15,000	52,000	25,000
Benzo (k) fluoranthene	51	1,400	4,800	10,000
Benzo (a) pyrene	82	100	500	8,000
Indeno (1,2,3-cd) pyrene	48	1,500	5,300	28,000
Benzo (g,h,i) perylene	63	2,300,000	41,000,000	32,000,000
Chromium	3,300	140,000	450,000	77,000
Lead	4,200	400,000	920,000	***

Bold indicates an exceedance of one or more of the FDEP standards.
Detected in lab blank at 26 ug/kg
*** = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

According to the lab results, several petroleum constituents were detected in the soil sample, however, none of the constituents detected were above the FDEP SCTLs. The constituents detected are normally detected in "old" petroleum releases. The impacts to the soil quality are minimal. Since the sample was collected within the smear zone

(area of seasonal groundwater fluctuation), it is recommended that a well be installed for the collection of a groundwater sample.

A Site Plan and photographs of the tank area are included with this letter. According to the client, a copy of the FDEP Limited Closure Summary Report Form will be forwarded to the ERM with this letter.

Please do not hesitate to contact our office if you have any further questions regarding this report.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Vincent S. Price
Staff Engineer

Steven G. McInall, P.E.
Environmental Engineering Manager
Florida License No. 59227

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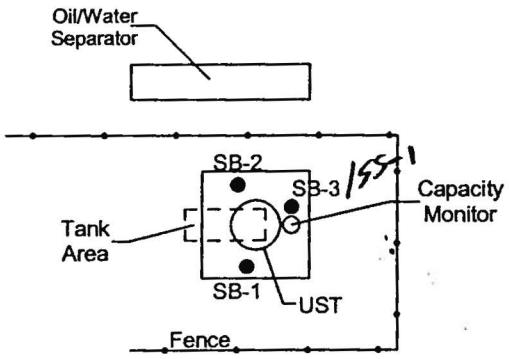
BUILDING #1338



LAMP ROAD

LIMITED TANK CLOSURE ASSESSMENT
MAYPORT NAVAL STATION - BUILDING #1338
JACKSONVILLE, FLORIDA

SITE PLAN

N

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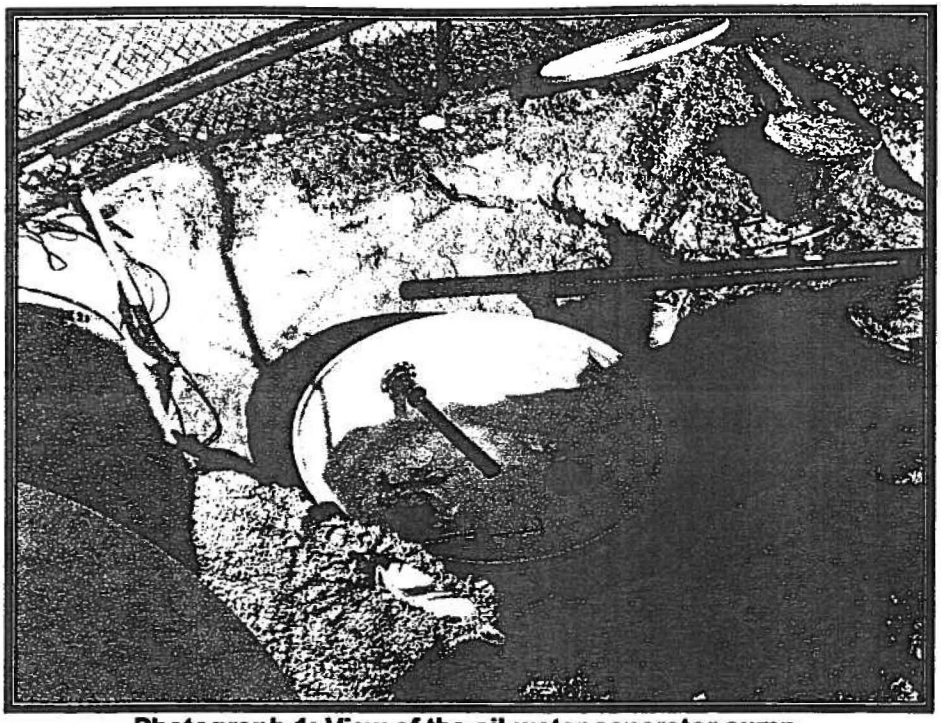
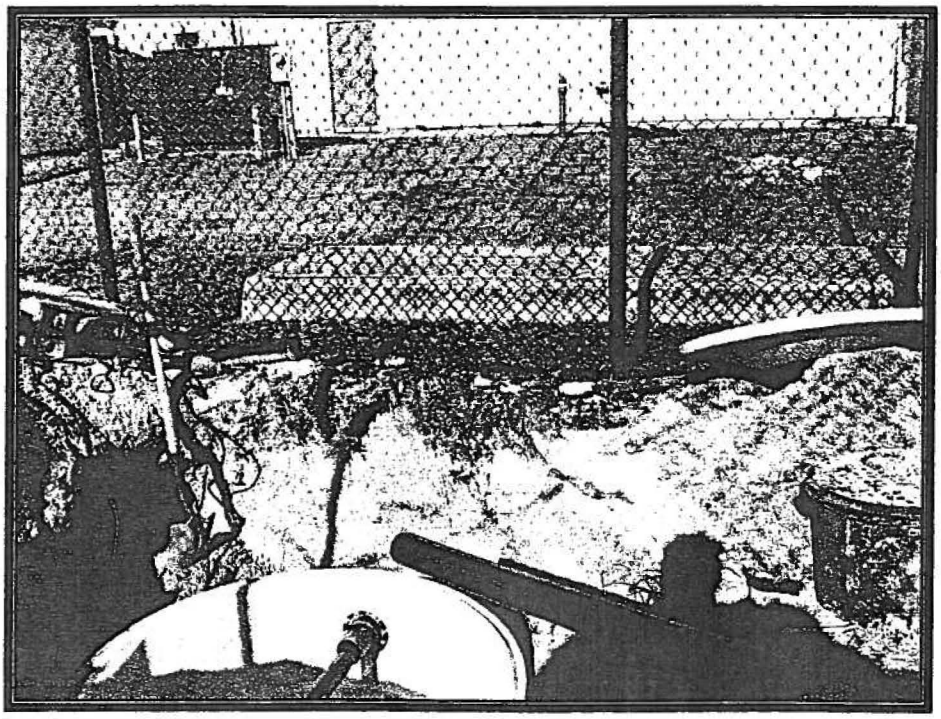
DRAWN BY:	LML	DATE:	2/3/04	CHECKED BY:	VSP	DATE:	2/3/04
SCALE:	1"=10'	ORDER NO.	91329-015-01	REPORT NO:	22062	PAGE NO.	FIGURE 1

Site Photographs
Limited Tank Closure Assessment
Mayport Building 1338



Photograph 1: View of the oil-water separator sump.



Photograph 2: View of the oil-water separator system.

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
904 / 296-3007
Fax 904 / 296-6210
www.encolabs.com

ENCO Laboratories

DHRS Certification No. E82277

CLIENT : Universal Engineering Sciences
ADDRESS: 5561 Florida Mining Blvd South
Jacksonville, FL 32257

REPORT # : JAX36762
DATE SUBMITTED: January 20, 2004
DATE REPORTED : January 23, 2004

ATTENTION: Mr. V. Price

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: BLDG 1338 LTCA

01/20/04

JAX36762-1 : SS-1 @ 12:00

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (May, 2001). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

Note: Analytical values are reported on a dry weight basis.

PROJECT MANAGER Scott D. Martin

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	SS-1	LAB BLANK	Units
Dichlorodifluoromethane	2.1 U	2.0 U	ug/Kg
Chloromethane	1.1 U	1.0 U	ug/Kg
Vinyl Chloride	1.1 U	1.0 U	ug/Kg
Bromomethane	1.1 U	1.0 U	ug/Kg
Chloroethane	1.1 U	1.0 U	ug/Kg
Trichlorofluoromethane	1.1 U	1.0 U	ug/Kg
1,1-Dichloroethene	1.1 U	1.0 U	ug/Kg
Acetone	**54**	**31**	ug/Kg
Carbon Disulfide	21 U	20 U	ug/Kg
Methylene Chloride	11 U	**14**	ug/Kg
t-1,2-Dichloroethene	1.1 U	1.0 U	ug/Kg
Methyl tert-butyl ether	1.1 U	1.0 U	ug/Kg
1,1-Dichloroethane	1.1 U	1.0 U	ug/Kg
2,2-Dichloropropane	2.1 U	2.0 U	ug/Kg
c-1,2-Dichloroethene	1.1 U	1.0 U	ug/Kg
2-Butanone	**21**	20 U	ug/Kg
Chloroform	1.1 U	1.0 U	ug/Kg
1,1,1-Trichloroethane	1.1 U	1.0 U	ug/Kg
Carbon tetrachloride	1.1 U	1.0 U	ug/Kg
1,1-Dichloropropene	1.1 U	1.0 U	ug/Kg
Benzene	1.1 U	1.0 U	ug/Kg
1,2-Dichloroethane	1.1 U	1.0 U	ug/Kg
Trichloroethene	1.1 U	1.0 U	ug/Kg
1,2-Dichloropropane	1.1 U	1.0 U	ug/Kg
Dibromomethane	1.1 U	1.0 U	ug/Kg
Bromodichloromethane	1.1 U	1.0 U	ug/Kg

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	SS-1	LAB BLANK	Units
2-Chloroethyl vinyl ether	6.4 U	6.0 U	ug/Kg
c-1,3-Dichloropropene	1.1 U	1.0 U	ug/Kg
4-Methyl-2-pentanone	21 U	20 U	ug/Kg
Toluene	1.1 U	1.0 U	ug/Kg
t-1,3-Dichloropropene	1.1 U	1.0 U	ug/Kg
1,1,2-Trichloroethane	1.1 U	1.0 U	ug/Kg
Tetrachloroethene	3.2 U	3.0 U	ug/Kg
1,3-Dichloropropane	1.1 U	1.0 U	ug/Kg
2-Hexanone	21 U	20 U	ug/Kg
Dibromochloromethane	1.1 U	1.0 U	ug/Kg
1,2-Dibromoethane	1.1 U	1.0 U	ug/Kg
Chlorobenzene	1.1 U	1.0 U	ug/Kg
1,1,1,2-Tetrachloroethane	1.1 U	1.0 U	ug/Kg
Ethylbenzene	1.1 U	1.0 U	ug/Kg
m-Xylene & p-Xylene	**4.3**	2.0 U	ug/Kg
o-Xylene	**1.8**	1.0 U	ug/Kg
Styrene	1.1 U	1.0 U	ug/Kg
Bromoform	1.1 U	1.0 U	ug/Kg
Isopropylbenzene	1.1 U	1.0 U	ug/Kg
1,1,2,2-Tetrachloroethane	1.1 U	1.0 U	ug/Kg
Bromobenzene	1.1 U	1.0 U	ug/Kg
1,2,3-Trichlorobenzene	1.1 U	1.0 U	ug/Kg
n-Propylbenzene	1.1 U	1.0 U	ug/Kg
2-Chlorotoluene	1.1 U	1.0 U	ug/Kg
1,3,5-Trimethylbenzene	1.1 U	1.0 U	ug/Kg
4-Chlorotoluene	1.1 U	1.0 U	ug/Kg

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	SS-1	LAB BLANK	Units
tert-Butylbenzene	1.1 U	1.0 U	ug/Kg
1,2,4-Trimethylbenzene	1.1 U	1.0 U	ug/Kg
s-Butylbenzene	1.1 U	1.0 U	ug/Kg
1,3-Dichlorobenzene	1.1 U	1.0 U	ug/Kg
p-Isopropyltoluene	1.1 U	1.0 U	ug/Kg
1,4-Dichlorobenzene	1.1 U	1.0 U	ug/Kg
n-Butylbenzene	1.1 U	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.1 U	1.0 U	ug/Kg
1,2-Dibromo-3-chloropropane	1.1 U	1.0 U	ug/Kg
1,2,4-Trichlorobenzene	1.1 U	1.0 U	ug/Kg
Hexachlorobutadiene	1.1 U	1.0 U	ug/Kg
Naphthalene	**2.0**	1.0 U	ug/Kg
1,2,3-Trichloropropane	1.1 U	1.0 U	ug/Kg
Bromochloromethane	1.1 U	1.0 U	ug/Kg
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	110	108	61-128
D8-Toluene	98	98	77-119
Bromofluorobenzene	83	82	60-130
Date Prepared	01/20/04 15:05		
Date Analyzed	01/23/04 13:25	01/23/04 12:49	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8270 - PAH Compounds by SIM	SS-1		LAB BLANK	Units
Naphthalene	48	D1	3.3 U	ug/Kg
2-Methylnaphthalene	39 U	D1	3.3 U	ug/Kg
1-Methylnaphthalene	39 U	D1	3.3 U	ug/Kg
Acenaphthylene	39 U	D1	3.3 U	ug/Kg
Acenaphthene	78	D1	3.3 U	ug/Kg
Fluorene	67	D1	3.3 U	ug/Kg
Phenanthrene	430	D1	3.3 U	ug/Kg
Anthracene	94	D1	3.3 U	ug/Kg
Fluoranthene	310	D1	3.3 U	ug/Kg
Pyrene	270	D1	3.3 U	ug/Kg
Chrysene	170	D1	3.3 U	ug/Kg
Benzo(a)anthracene	120	D1	3.3 U	ug/Kg
Benzo(b)fluoranthene	98	D1	3.3 U	ug/Kg
Benzo(k)fluoranthene	51	D1	3.3 U	ug/Kg
Benzo(a)pyrene	82	D1	3.3 U	ug/Kg
Indeno(1,2,3-cd)pyrene	48	D1	3.3 U	ug/Kg
Dibenzo(a,h)anthracene	39 U	D1	3.3 U	ug/Kg
Benzo(g,h,i)perylene	63	D1	3.3 U	ug/Kg
Surrogate:	**% RECOV**		**% RECOV**	**LIMITS**
p-Terphenyl	76		66	19-162
Date Prepared	01/20/04		01/20/04	
Date Analyzed	01/22/04 07:02		01/21/04 23:24	

Miscellaneous	METHOD	SS-1	LAB BLANK	Units
Percent Solids	WETS/72	84	NA	%
Date Prepared		01/23/04		
Date Analyzed		12/30/99		

NA = Analysis not applicable for this sample.
U = Compound was analyzed for but not detected to the level shown.
D1 = Analyte value determined from a 1:10 dilution.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	SS-1	LAB BLANK	Units
Arsenic	6010	0.60 U	0.50 U	mg/Kg
Date Analyzed		01/22/04 20:56	01/22/04 20:03	
Barium	6010	24 U	20 U	mg/Kg
Date Analyzed		01/22/04 20:55	01/22/04 20:03	
Cadmium	6010	1.0 U	1.0 U	mg/Kg
Date Analyzed		01/22/04 20:56	01/22/04 20:03	
Chromium	6010	**3.3**	1.0 U	mg/Kg
Date Analyzed		01/22/04 20:56	01/22/04 20:03	
Lead	6010	**4.2**	1.0 U	mg/Kg
Date Analyzed		01/22/04 20:56	01/22/04 20:03	
Selenium	6010	2.0 U	2.0 U	mg/Kg
Date Analyzed		01/22/04 20:56	01/22/04 20:03	
Silver	6010	2.0 U	2.0 U	mg/Kg
Date Analyzed		01/22/04 20:55	01/22/04 20:03	
Mercury	7471	0.010 U	0.010 U	mg/Kg
Date Analyzed		01/21/04 15:22	01/21/04 14:18	

EPA METHOD FLPRO - PETROL. RESIDUAL ORG.	SS-1	LAB BLANK	Units
Hydrocarbons (C8-C40)	**57**	6.6 U	mg/Kg
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
o-Terphenyl	115	105	51-148
Nonatriacontane	72	80	36-152
Date Prepared	01/20/04	01/20/04	
Date Analyzed	01/21/04 12:00	01/21/04 13:08	

U = Compound was analyzed for but not detected to the level shown.

LABORATORY CERTIFICATIONS

Laboratory Certification: NELAC:E82277

All analyses reported with this project were analyzed by the facility indicated unless identified below.

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
EPA Method 8260					
1,1-Dichloroethene	70/ 61/ 59	59-144	19-161	3	19
Benzene	102/ 96/120	67-150	60-129	22	23
Trichloroethene	94/104/115	69-137	56-132	10	17
Toluene	96/ 81/ 86	72-124	53-129	6	22
Chlorobenzene	109/ 99/101	75-125	61-136	2	24
EPA Method 8270					
Naphthalene	76/ 77/ 78	48-88	20-131	1	29
Acenaphthene	76/ 79/ 79	57-96	24-132	<1	23
Benzo(a)pyrene	71/ 70/ 74	37-134	34-140	6	28
Benzo(g,h,i)perylene	100/ 96/101	11-145	31-152	5	21
TOTAL METALS					
Arsenic, 6010	109/109/109	77-125	53-153	<1	22
Barium, 6010	108/108/109	71-129	70-120	<1	16
Cadmium, 6010	101/100/101	76-124	59-130	<1	24
Chromium, 6010	106/104/105	81-130	57-135	<1	24
Lead, 6010	105/104/106	75-127	63-128	2	26
Selenium, 6010	103/100/101	72-127	60-121	<1	14
Silver, 6010	113/111/112	49-146	69-118	<1	10
Mercury, 7471	104/ * / *	78-130	69-121	*	18
PETROL. RESIDUAL ORG.					
Hydrocarbons (C8-C40)	86/135/113	50-116	62-204	18	25

< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference
* = MS/MSD/RPD unavailable due to original sample concentration.

QSARF #____

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECOR

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER	PAGE	OF
Bldg 1338 LTCA				

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
FL	Bob Bridgeman	296-0757	296-0748

CLIENT NAME	CLIENT PROJECT MANAGER
UES	Vincent Price

CLIENT ADDRESS (CITY, STATE, ZIP): 5561 Florida Mining Blvd S, Jax, FL

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due:_____

STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	FL-PRO	8 RCRA Metal	8100 (PAHs)	8260	PRESERVATIVE					REMARKS
						NUMBER OF CONTAINERS SUBMITTED																		
1	1/20/04	12 pm	X		SS-1					X					✓	✓	✓	✓						
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								

SAMPLE KIT PREPARED BY: ☒JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE) Vincent Price	DATE 1/20/04	TIME 1:43p	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☐Jacksonville ☐Orlando	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
	1/20/04	13:43	☒YES ☐NO	JAX307162	Samples received on wet ice

APPENDIX C

Laboratory Analytical Report

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
904 / 296-3007
Fax 904 / 296-6210
www.encolabs.com

ENCO Laboratories

DHRS Certification No. E82277

CLIENT : Universal Engineering Sciences
ADDRESS: 5561 Florida Mining Blvd South
Jacksonville, FL 32257

REPORT # : JAX43178
DATE SUBMITTED: September 20, 2004
DATE REPORTED : September 27, 2004

ATTENTION: Mr. Dave Maxum

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: MAYPORT BLDG 1342

09/20/04

JAX43178-1 : S-1 (2) @ 12:00
JAX43178-2 : GW-1 @ 14:40

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 2002). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

Note: Analytical values are reported on a dry weight basis.

PROJECT MANAGER Scott D. Martin

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	S-1 (2)		Units
Methyl tert-butyl ether	1.0 U	D1	ug/Kg
Benzene	1.0 U	D1	ug/Kg
Toluene	**1.0** I	D1	ug/Kg
Chlorobenzene	1.0 U	D1	ug/Kg
Ethylbenzene	1.0 U	D1	ug/Kg
m-Xylene & p-Xylene	2.0 U	D1	ug/Kg
o-Xylene	1.0 U	D1	ug/Kg
1,3-Dichlorobenzene	1.0 U	D1	ug/Kg
1,4-Dichlorobenzene	1.0 U	D1	ug/Kg
1,2-Dichlorobenzene	1.0 U	D1	ug/Kg
Surrogate:	**% RECOV**		**LIMITS**
Dibromofluoromethane	90		61-128
D8-Toluene	83		77-119
Bromofluorobenzene	107		60-130
Date Prepared	09/20/04 16:45		
Date Analyzed	09/24/04 14:03		

U = Compound was analyzed for but not detected to the level shown.
D1 = Analyte value determined from a 1:1.02 dilution.
I = Analyte detected; value is between the Method Detection Level (MDL) and the Method Quantitation Level (MQL).

RESULTS OF ANALYSIS

EPA METHOD 8270 - PAH Compounds by SIM	S-1 (2)	Units
Naphthalene	41 U	ug/Kg
2-Methylnaphthalene	41 U	ug/Kg
1-Methylnaphthalene	41 U	ug/Kg
Acenaphthylene	41 U	ug/Kg
Acenaphthene	41 U	ug/Kg
Fluorene	41 U	ug/Kg
Phenanthrene	41 U	ug/Kg
Anthracene	41 U	ug/Kg
Fluoranthene	41 U	ug/Kg
Pyrene	41 U	ug/Kg
Chrysene	41 U	ug/Kg
Benzo(a)anthracene	41 U	ug/Kg
Benzo(b)fluoranthene	41 U	ug/Kg
Benzo(k)fluoranthene	41 U	ug/Kg
Benzo(a)pyrene	41 U	ug/Kg
Indeno(1,2,3-cd)pyrene	41 U	ug/Kg
Dibenzo(a,h)anthracene	41 U	ug/Kg
Benzo(g,h,i)perylene	41 U	ug/Kg
Surrogate:	**% RECOV**	**LIMITS**
p-Terphenyl	112	19-162
Date Prepared	09/23/04	
Date Analyzed	09/24/04 14:58	

Miscellaneous	METHOD	S-1 (2)	Units
Percent Solids	WETS/72	81	%
Date Prepared		09/23/04	
Date Analyzed		09/23/04 11:00	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD FLPRO - PETROL. RESIDUAL ORG.	S-1 (2)	Units
Hydrocarbons (C8-C40)	21	mg/Kg
Surrogate:	**% RECOV**	**LIMITS**
o-Terphenyl	104	51-148
Date Prepared	09/23/04	
Date Analyzed	09/23/04 15:46	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	GW-1	Units
Methyl tert-butyl ether	1.0 U	ug/L
Benzene	1.0 U	ug/L
Toluene	1.0 U	ug/L
Chlorobenzene	1.0 U	ug/L
Ethylbenzene	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	ug/L
o-Xylene	1.0 U	ug/L
1,3-Dichlorobenzene	1.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	ug/L

Surrogate:	% RECOV	LIMITS
Dibromofluoromethane	91	67-139
D8-Toluene	86	80-115
Bromofluorobenzene	107	66-131
Date Analyzed	09/23/04 22:02	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8270 - PAH Compounds by SIM	GW-1	Units
Naphthalene	0.50 U	ug/L
2-Methylnaphthalene	0.50 U	ug/L
1-Methylnaphthalene	0.50 U	ug/L
Acenaphthylene	0.10 U	ug/L
Acenaphthene	0.10 U	ug/L
Fluorene	0.10 U	ug/L
Phenanthrene	0.10 U	ug/L
Anthracene	0.10 U	ug/L
Fluoranthene	0.10 U	ug/L
Pyrene	0.10 U	ug/L
Chrysene	0.10 U	ug/L
Benzo(a)anthracene	0.10 U	ug/L
Benzo(b)fluoranthene	0.10 U	ug/L
Benzo(k)fluoranthene	0.10 U	ug/L
Benzo(a)pyrene	0.10 U	ug/L
Indeno(1,2,3-cd)pyrene	0.10 U	ug/L
Dibenzo(a,h)anthracene	0.10 U	ug/L
Benzo(g,h,i)perylene	0.10 U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
p-Terphenyl	96	20-148
Date Prepared	09/22/04	
Date Analyzed	09/24/04 12:35	

J = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD FLPRO - PETROL. RESIDUAL ORG.	GW-1	Units
Hydrocarbons (C8-C40)	0.20 U	mg/L
Surrogate:	**% RECOV**	**LIMITS**
o-Terphenyl	89	38-133
Date Prepared	09/22/04	
Date Analyzed	09/23/04 01:07	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	LAB BLANK	Units
Methyl tert-butyl ether	1.0 U	ug/L
Benzene	1.0 U	ug/L
Toluene	1.0 U	ug/L
Chlorobenzene	1.0 U	ug/L
Ethylbenzene	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	ug/L
o-Xylene	1.0 U	ug/L
1,3-Dichlorobenzene	1.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
Dibromofluoromethane	94	67-139
D8-Toluene	90	80-115
Bromofluorobenzene	102	66-131
Date Analyzed	09/23/04 12:30	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	LAB BLANK	Units
Methyl tert-butyl ether	1.0 U	ug/Kg
Benzene	1.0 U	ug/Kg
Toluene	1.0 U	ug/Kg
Chlorobenzene	1.0 U	ug/Kg
Ethylbenzene	1.0 U	ug/Kg
m-Xylene & p-Xylene	2.0 U	ug/Kg
o-Xylene	1.0 U	ug/Kg
1,3-Dichlorobenzene	1.0 U	ug/Kg
1,4-Dichlorobenzene	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	ug/Kg
Surrogate:	**% RECOV**	**LIMITS**
Dibromofluoromethane	101	61-128
D8-Toluene	96	77-119
Bromofluorobenzene	99	60-130
Date Analyzed	09/24/04 12:51	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8270 - PAH Compounds by SIM	LAB BLANK	Units
Naphthalene	0.50 U	ug/L
2-Methylnaphthalene	0.50 U	ug/L
1-Methylnaphthalene	0.50 U	ug/L
Acenaphthylene	0.10 U	ug/L
Acenaphthene	0.10 U	ug/L
Fluorene	0.10 U	ug/L
Phenanthrene	0.10 U	ug/L
Anthracene	0.10 U	ug/L
Fluoranthene	0.10 U	ug/L
Pyrene	0.10 U	ug/L
Chrysene	0.10 U	ug/L
Benzo(a)anthracene	0.10 U	ug/L
Benzo(b)fluoranthene	0.10 U	ug/L
Benzo(k)fluoranthene	0.10 U	ug/L
Benzo(a)pyrene	0.10 U	ug/L
Indeno(1,2,3-cd)pyrene	0.10 U	ug/L
Dibenzo(a,h)anthracene	0.10 U	ug/L
Benzo(g,h,i)perylene	0.10 U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
p-Terphenyl	99	20-148
Date Prepared	09/22/04	
Date Analyzed	09/24/04 11:08	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8270 - PAH Compounds by SIM	LAB BLANK	Units
Naphthalene	33 U	ug/Kg
2-Methylnaphthalene	33 U	ug/Kg
1-Methylnaphthalene	33 U	ug/Kg
Acenaphthylene	33 U	ug/Kg
Acenaphthene	33 U	ug/Kg
Fluorene	33 U	ug/Kg
Phenanthrene	33 U	ug/Kg
Anthracene	33 U	ug/Kg
Fluoranthene	33 U	ug/Kg
Pyrene	33 U	ug/Kg
Chrysene	33 U	ug/Kg
Benzo(a)anthracene	33 U	ug/Kg
Benzo(b)fluoranthene	33 U	ug/Kg
Benzo(k)fluoranthene	33 U	ug/Kg
Benzo(a)pyrene	33 U	ug/Kg
Indeno(1,2,3-cd)pyrene	33 U	ug/Kg
Dibenzo(a,h)anthracene	33 U	ug/Kg
Benzo(g,h,i)perylene	33 U	ug/Kg

Surrogate:	% RECOV	LIMITS
p-Terphenyl	113	19-162
Date Prepared	09/23/04	
Date Analyzed	09/24/04 14:00	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD FLPRO - PETROL. RESIDUAL ORG.	LAB BLANK	Units
Hydrocarbons (C8-C40)	0.20 U	mg/L
Surrogate:	**% RECOV**	**LIMITS**
o-Terphenyl	93	38-133
Date Prepared	09/22/04	
Date Analyzed	09/23/04 00:22	

EPA METHOD FLPRO - PETROL. RESIDUAL ORG.	LAB BLANK	Units
Hydrocarbons (C8-C40)	6.6 U	mg/Kg
Surrogate:	**% RECOV**	**LIMITS**
o-Terphenyl	75	51-148
Date Prepared	09/23/04	
Date Analyzed	09/23/04 14:41	

U = Compound was analyzed for but not detected to the level shown.

LABORATORY CERTIFICATIONS

Laboratory Certification: NELAC:E82277

All analyses reported with this project were analyzed by the facility indicated unless identified below.

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
EPA Method 8260					
1,1-Dichloroethene	79/ 68/ 75	58-149	40-155	10	30
Benzene	82/ 79/ 78	79-136	70-131	1	23
Trichloroethene	101/ 94/103	66-136	68-128	9	10
Toluene	108/106/ 94	72-126	84-116	12	12
Chlorobenzene	110/106/ 98	77-124	88-123	8	11
1,1-Dichloroethene	91/ 76/ 85	59-144	19-161	11	19
Benzene	93/ 76/ 82	67-150	60-129	8	23
Trichloroethene	93/ 78/ 84	69-137	56-132	7	17
Toluene	97/ 85/ 92	72-124	53-129	8	22
Chlorobenzene	101/ 86/ 90	75-125	61-136	4	24
EPA Method 8270					
Naphthalene	86/ 84/ 82	32-86	30-112	2	28
Acenaphthene	97/ 87/ 84	47-90	28-113	4	32
Benzo(a)pyrene	90/ 92/ 90	39-129	39-148	2	38
Benzo(g,h,i)perylene	75/ 62/ 64	8-142	20-130	3	43
Naphthalene	88/ 70/ 54	48-88	20-131	26	29
Acenaphthene	98/ 76/ 58	57-96	24-132	# 27	23
Benzo(a)pyrene	101/ 72/ 66	37-134	34-140	9	28
Benzo(g,h,i)perylene	106/ 68/ 56	11-145	31-152	19	21
PETROL. RESIDUAL ORG.					
Hydrocarbons (C8-C40)	75/ 82/ 78	49-116	51-163	5	27
Hydrocarbons (C8-C40)	73/105/ 85	50-116	62-204	21	25

< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference
# = One or more of the associated values failed to meet laboratory established limits for precision.

QSARF #_____

ENVIRONMENTAL CONSERVATION LABORATORIES

P19726

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10775 Central Port Drive
Orlando, Florida 32824
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
MAYPORT BLDG	1342	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
FL	D. Maxum	(904)-296-0757	(904)-296-0748

CLIENT NAME	CLIENT PROJECT MANAGER
~~Universal Engineering Sciences,~~ Inc.	Mr. Dave Maxum

CLIENT ADDRESS (CITY, STATE, ZIP)
5561 Florida Mining Blvd South Jacksonville, FL 32257

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:_____

SAMPLE						MATRIX TYPE									REQUIRED ANALYSIS									
STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER		8260/AROM	8270/PAH/SIM, PERCENT L	FLPRO	8270/PAH/SIM	FLPRO	8260/AROM			REMARKS
						PRESERVATIVE																		
						NUMBER OF CONTAINERS SUBMITTED																		
1 S-1	9/20/04	1200	X		S-1 (2')					X						3	1	1						
2 GW-1	9/20/04	1420	X		GW-1		X												1	2	2			
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								

SAMPLE KIT PREPARED BY:	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
☒ JACKSONVILLE ☐ ORLANDO	9/16/04	1530	Dave Maxum	9/20/04	1530			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
☒ Jacksonville ☐ Orlando	9/20/04	1530	☒ YES ☐ NO	JAX43178	

APPENDIX D

Limited Closure Summary Report

Department of Environmental Protection

1 Towers Office Building ♦ 2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form 62-761.900(8)
Form Title: Limited Closure Summary Report
Effective Date: 7/13/98

Limited Closure Summary Report

This form is required for facilities that have sites with documented contamination requiring a site assessment in accordance with Chapter 62-770, F.A.C. This includes those facilities that are eligible for the Early Detection Incentive Program (EDI), the Florida Petroleum Liability and Restoration Insurance Program (FPLRIP), and the Petroleum Cleanup Participation Program (PCPP), pursuant to Sections 376.3071 and 376.3072, F.S. Documentation of procedures followed, and results obtained during closure shall be reported in this form, along with any attachments. This form shall be submitted to the County within 60 days of completion of the closure in accordance with Section A of the "Storage Tank System Closure Assessment Requirements."

Complete All Applicable Blanks. Please Print or Type

General Information

Date 11/24/04	FDEP Facility ID Number	County Duval
Facility Name Mayport Naval Base		Facility Telephone #: (904) 270-6730
Facility Address: Bldg. 1338, Camp Rd., Mayport, Florida		
Owner or Operator Name: Maurice Cates		Owner/Operator phone #: (904) 778-9906
Mailing Address: Johnson Controls/Hill, PO Box 77, Bldg. 105, NAS Jacksonville		

Storage Tank System Closure Information

1. Were the storage tanks(s): (Check one or both)

• Aboveground	• Underground ✓

2. General System Information

Types of Products Stored: Waste Oil	Number of Tanks Closed 1	Age(s) of Tanks

3. Was the Limited Closure Summary Report Performed as a Result of: (check one or more)

• Tank Systems Removal?	• Spill Containment Installation?	• Change in Storage to a Non-Regulated Substance?
• Tank Systems Closed in Place?	• Dispenser Liners Installation?	• Release Prevention Barrier Installation?
• Piping Sump Installation?	• Secondary Containment Installation?	• Other? (please explain) Sump System Removal and Replacement

4. Please Check Yes or No to the following:

a. Was there previously reported contamination discovered on site? If yes, was	• Yes ✓	• No
1. A Discharge Report Form submitted to the County?	• Yes	• No
2. An investigation performed in accordance with Rule 62-761.820, F.A.C.?	• Yes ✓	• No
b. Is the depth to groundwater less than 20 feet?	• Yes ✓	• No
c. Are there monitoring wells on site? If yes, were they	• Yes ✓	• No
1. Groundwater monitoring wells?	• Yes ✓	• No
2. Vapor monitoring wells?	• Yes	• No ✓
3. Used for closure assessment sampling?	• Yes ✓	• No
4. Properly closed?	• Yes ✓	• No
5. Retained for site assessment purposes?	• Yes	• No ✓
d. If tanks were replaced, were contaminated soils returned to the tank excavation?	• Yes	• No

Signature of owner or operator	Signature of person performing Limited Closure Assessment	Name of person performing Limited Closure Assessment: Steven McTavish
(date)	(date) 11/29/04	Affiliation UES